

SCIENTIFIC CURRICULUM VITAE

1. Personal details

Full name LÊ THỊ GIANG
 Academic title Associate Professor, PhD Sex Female
 Administrative position Senior Lecturer ID Number 004.003.00250
 Department Department of Land Information System, Faculty of Natural Resources and Environment (FONRE)
 Institution Vietnam National University of Agriculture (VNUA)
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 Email (office) lethigiang@vnu.edu.vn
 Second email
 Orcid number <https://orcid.org/0000-0001-7230-946X> H-index

2. Qualifications

| No. | Years | Academic Institution | Major/specialty | Academic degree |
|-----|-----------|---------------------------------|-----------------|-----------------|
| 1 | 2008-2011 | Hanoi University of Agriculture | Land Management | PhD |
| 2 | 2000-2002 | Hanoi University of Agriculture | Land Management | Master |
| 3 | 1991-1996 | Hanoi University of Agriculture | Land Management | Bachelor |

3. Professional experience

| No. | Years | Institution | Address | Position |
|-----|-----------|--|--------------------------|-----------------|
| 1 | 1997-2021 | Vietnam national University of Agriculture | Trau Quy, Gia Lam, Hanoi | Lecturer |
| 2 | 2010-2018 | Vietnam national University of Agriculture | Trau Quy, Gia Lam, Hanoi | Main Lecturer |
| | 2018-2021 | Vietnam national University of Agriculture | Trau Quy, Gia Lam, Hanoi | Senior Lecturer |

4. Language (Rating: A-Poor/deficient; B - Fair; C – Sufficient; D – Fluent)

| Language | Reading | Writing | Speaking | Certificate/degree |
|----------|---------|---------|----------|--------------------|
| English | Fluent | Fluent | Fluent | B2 |

5. Expertise and research interests

5.1 Main research orientation

6. (1) Application of GIS and Remote sensing technology in land management; construction of land database to support National Administration in land management.
7. (2) Sustainably and effectively manage and use land resource in corporation with land evaluation to support agricultural production..

7.1 List of research projects

| No | Year | Project Name | Project | Detailed tasks assigned |
|----|-------------|---|---|--|
| 1 | 2018 | Research and apply technology in assessing land potential for sustainable use of land resources | Ministry of Natural Resources and Environment | Participant |
| 2 | 2016 | GIS data development for Renewable Energy Mapping | Ministry of Energy | Participant |
| 3 | 2015-2016 | WebGIS application to support land data management and share land price information in Dan Phuong district, Hanoi | University project | Leader |
| 4 | 2015-2017 | Sustainable adaptation of coastal agro-ecosystems to increased salinity intrusion | Germany (Institute of Crop Science and Resource Conservation (INRES) - Division Soil Science, University of Bonn) | Researcher Collecting and, Using GIS for analyzing data |
| 5 | 2012-2014 | Application of GIS in assessing the impact of sea level rise on the use of agricultural land in the Giao Thuy district, Nam Dinh Province | Supporting the integration in Agricultural Curricula of Climate Change concerns at Universities of Agriculture (ACCCU) Netherland | Researcher Collecting and, Using GIS for analyzing data |
| 6 | 2008 - 2009 | Develop a database of soil erosion assessment by remote sensing technology (RS) and geographic information | Ministry project | Secretary, Researcher, Processing Image, Using ArcGIS for spatial analyst |

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| | | system (GIS) for slope protection in Tam Nong district, Phu Tho province. | | |
| 7 | 2009 | Evaluating Suitable Land for Agricultural Production at Son Dong district – Bac Giang Province | University project | Manager Collecting and, Using GIS for analyzing data |
| 8 | 2006-2007 | Applications of remote sensing and GIS technology in the evaluation process of urbanization in the suburban areas of Hanoi | Ministry project | Processing Image, Using GIS for spatial analyst |
| 9 | 2007 | Application of GIS and remote sensing technology in research building land use system for upstream River Basin | Ministry project | Researcher Collecting and analyzing data |
| 10 | 2006 | Application of GIS to calculate the area of land when extending the road No 5 through Thuong Thanh commune, Gia Lam, Ha Noi | University project | Manager Collecting and, Using GIS for analyzing data |
| 11 | 2006-2008 | Researching creation Land Information system for Land management in VanCon commune – HoaiDuc district, Hatay Province | Province Project | Researcher Collecting and, Using GIS for analyzing data |
| 12 | 2006 | Research on designing decision support system for land-use planning | Ministry project | Researcher Collecting and, Using GIS for analyzing data |
| 13 | 2001-2002 | Research on applying geographic information systems (GIS) to build a database of land resources for the development of sustainable agriculture. | Ministry project | Researcher Collecting and, Using GIS for analyzing data |

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| 14 | 2000 | Detecting land use/cover change in Yen Chau district Son la Province by using remote sensing and GIS | GTZ (Germany) | Researcher Collecting and, Using GIS for analyzing data |
| 15 | 1999-2000 | Application of GIS (ARC method / INFO) to evaluate land suitable for crop structure on Chau Giang district, Hung Yen province | Ministry project | Researcher Collecting and, Using GIS for analyzing data |
| 16 | 1996-1998 | Application of several geographic information systems (GIS) software in the management of cadastral data. | Ministry project | Researcher Collecting and, Using GIS for analyzing data |

7.2 Publications and accomplishments

| No. | Authors | Year | Title of papers/book | Name of publishers/No.Vol, page | ISSN/ISBN | IF | Notes |
|-----|--|------|---|--|-----------|----|-------|
| 1 | Article (s) in ISI-covered journal | | | | | | |
| 1.1 | Le Hung Trinh ¹ , Thi Giang Le ² , Van Hoan Kieu ³ , Thi Minh Ly Tran ³ , and Thi Thu Nga Nguyen | 2020 | Application of remote sensing technique for shorelinechange detection in Ninh Binh and Nam Dinh provinces (Vietnam) during the period 1988 to 2018 based on water indices | RUSSIAN JOURNAL OF EARTH SCIENCES, VOL. 20, ES2004, doi:10.2205/2020ES000686, 2020 | | | |
| 1.2 | Le Hung TRINH ^{1*} , V.R. Zablotskii ² , Thi Giang LE ³ , Thi Thu Hien DINH ⁴ , Thi Trinh | 2018 | Estimation of suspended sediment concentration using VNREDSat – 1A multispectral data, a case | Journal of Geography, Environment, Sustainability | | | |

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| | LE5, Thi Tham TRINH5, Thi Thu Nga NGUYEN | | study in Red River, Hanoi, Vietnam | | | | |
| 1.3 | Pham Quy Giang *, Le Thi Giang, Kosuke Toshiki | 2016 | Spatial and temporal responses of soil erosion to climate change impacts in a transnational watershed in Southeast Asia | Climate, Volume 5, Issue 1, pp. Thuyết sỹ | | | |
| 2 | Article in other international Journal | | | | | | |
| 2.1 | Le, Giang Thi / Nguyen, Thuan Duc / Tran, Vinh Quoc | 2016 | Research and application of Remote sensing and GIS technologies in determining and forecasting land use changes by Markov chain in Y Yen district – Nam Dinh Province | REAL ESTATE MANAGEMENT AND VALUATION Volume 24, Issue 3 (Sep 2016) ISSN: 2300-5289 www.degruyter.com/view/j/remav | 2300-5289 | | |
| 2.2 | Le Thi Giang Tran Quoc Vinh | | Assessing the impact of sea level rise on the use of agricultural land in Giao thuy district, Nam Dinh Province | ACTA Scientiarum Polonorum, Poland | | | |
| 3 | National/International Conference(s) | | | | | | |
| 3.1 | ISSAAS Conference | 2018 | Estimation of suspended sediment concentration using VNREDSat – | Malaysia | | | |

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| | | | 1A multispectral data, a case study in Red River, Hanoi, Vietnam | | | | |
| 3.2 | ISSAAS Conference | 2017 | Simulating yield response of maize to climate change with Aquacrop model for improved land use planning in Northwest Vietnam | Malaysia | | | |
| 3.3 | GIS conference 2020 | | | Ho chi Minh City | | | |
| 3.4 | GIS conference 2019 | | | Tay nguyen Uni. | | | |
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| 4. | Article(s) in national scientific journal | | | | | | |
| 4.1 | Nguyen Thị Phương Hoa, Ngo The An, Le Thi Giang | 2020 | Factors affecting changes in agricultural land use in the coastal area of Nam Dinh province | Vietnam Soil Science No 60/2020 | 2525-2216 | | |
| 4.2 | Nguyen Đình Trung, Cao Viet Ha, Le Thi Giang | 2020 | Determining changes in agricultural land use in the period 2014-2019 in Yen Lac district, Vinh Phuc province | Vietnam Soil Science No 60/2020 | 2525-2216 | | |
| 4.3 | Nguyen Thi Loan, Dao Chau Thu, Le Thi Giang | 2020 | Assessing the suitability of sugarcane growing land in Ngoc Lac district, Thanh | Vietnam Soil Science No 60/2020 | 2525-2216 | | |

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| | | | Hoa province | | | |
| 4.4 | Nguyen Dinh Trung, Cao Viet Ha, Le Thi Giang | 2020 | Assessing the suitability of land for the development of specialized crop growing areas for Yen Lac district, Vinh Phuc province | Journal of Agricultural Sciences of Vietnam, Volunm 18, No 8/2020 | 2588-1299 | |
| 4.5 | Nguyen Thi Loan, Dao Chau Thu, Le Thi Giang | 2019 | Assess effect of land use for sugarcane in Ngoc Lac district, Thanh hoa province | Journal of Agricultural Sciences of Vietnam, Volunm 18, No 8/2020 | 2588-1299 | |
| 4.6 | Nguyen Thi Phuong Hoa, Ngo The An, Le Thi Giang | 2018 | Determining changes in agricultural land use in the coastal area of Nam Dinh province in the period 2005-2019 using Remote Sensing and GIS | Vietnam Soil Science No 58/2020 | 2525-2216 | |
| 4.7 | Nguyen Thi Loan, Dao Chau Thu, Le Thi Giang | 2017 | Evaluation of some soil characteristics of sugar cane in Ngoc Lac district, Thanh Hoa province | Vietnam Soil Science No 58/2020 | 2525-2216 | |
| 4.8 | Le Thi Giang, Nguyen Thi Hoa | 2017 | Building a dataBase for financial management of land at Ninh Hiep Commune, Gia Lam district Ha noi city. | Journal of Agricultural Sciences of Vietnam, No 9 | 2588-1299 | |
| 4.9 | Tran Thu Ha, Phung | 2016 | Application of GIS and | Journal of Forest Science and Technology, No 4 | 1859-0373 | |

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|------|---|------|--|---|----------------|--|--|
| | Minh Tam, Pham Thanh Que, Le Thi Giang | | Remote Sensing in the monitoring of forest area change in Cao Phong district, Hoa Binh province for the period 2005-2015 | | | | |
| 4.10 | Nguyen Dinh Cong, Le Thi Giang | 2016 | Simulating yield response of maize to climate change with Aquacrop model for improved land use planning in Northwest Vietnam | Journal of Agricultural Sciences of Vietnam, No 10 | 2588-1299 | | |
| 4.11 | Nguyen Thi Thu Huong, Phan Thi Thanh Huyen, Do Thi Duc Hanh, Le Thi Giang, Nguyen Thi Tam | 2016 | Situation and some solutions to strengthen the management and use of land and forest farms in Thai Nguyen province | Vietnam Soil Science, No 48 | 2525-2216 | | |
| 4.12 | Do Thi Tam, Le Thi Giang, Do Dinh Hieu, Truong Thi Thuy | 2016 | Assess the implementation of the criteria of new rural construction in Thuong Xuan district, Thanh Hoa province | Journal of Agriculture and Rural development, No 20 | ISSN 1859-4581 | | |
| 4.13 | Le Thi Giang Nguyen Tuan Anh | 2016 | Application of WebGIS technology to build a system for supplying land price | Vietnam Soil Science, No 48 | 2525-2216 | | |

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| | | | information for Phung town, Dan Phuong district, Hanoi | | | |
| 4.14 | Lê Thị Giang | 2015 | Integration of GIS and multi-criteria assessment (MCA) in assessment the suitable land for lychee Son Dong district, Bac Giang province | Journal of Agriculture and Rural development , No 2 | 1859-4581 | |
| 4.15 | Le Thi Giang Tran Quoc Vinh | 2012 | Research on restructuring of land use for agricultural in Son Dong district, Bac Giang province | Journal of Agriculture and Rural development , No 21 | 1859-4581 | |
| 4.16 | Le Thi Giang, Nguyen Khac Thoi, Vu Van Liet | 2012 | Assess effect of agricultural land use in Son Dong district, BacGiang province | Vietnam Soil Science, No 40 | 2525-2216 | |
| 4.17 | Le Thi Giang Doan Thanh Thuy | 2011 | Using mathematical modeling in determining the optimal structure of land use agricultural reasonable in Giao Liem commune- Son Dong district - Bac Giang Province | Journal of Science and Technology, Vol 49, No 3 | 1859-3585 | |
| 4.18 | Le Thi Giang, Nguyen | 2011 | Evaluating Suitable Land for | Vietnam Soil Science, No 38 | 2525-2216 | |

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| | Khac Thoi | | Agrilcultural Production at Son Dong district – Bac Giang Province | | | | |
| 4.19 | Le Thi Giang, Trinh Quoc Thang | 2011 | Building database for land management in Son Dong district, Bac Giang province | Vietnam Soil Science, No 36 | 2525-2216 | | |
| 4.10 | Le Thi Giang, Nguyen Thi chau Long | 2010 | Applying GIS in Real estate information management in TrauQuy town, Gialam district, Hanoi city | Journal of Science and Development, Vol 8, No1 | 2588-1299 | | |
| 4.21 | Le Thi Giang, Dang Thị Thuy, Phạm Van Van | 2009 | Researching creation Land Information system for Land management in VanCon commune – HoaiDuc district, Hatay Province | Journal of Science and Technology, Vol 47, No 6 | 1859-3585 | | |
| 4.22 | Nguyen Khac Thoi, Tran Quoc Vinh, Le Thi Giang, Nguyen Thi Thu Hien | 2008 | Using GIS and Remote Sensing to identify land cover change of urbanization process in suburb districts- Hanoi city | Vietnam Soil Science No 30 | 2525-2216 | | |
| 4.23 | Tran Quoc Vinh, Le Thi Giang | 2006 | Using visual interpretation and digital image processing to creat land use map in Thanh Tri district- | Vietnam Soil Science No 25 | 2525-2216 | | |

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| | | | Hanoi city | | | | |
| 4.24 | Le Thi Giang, Dao Chau Thu | 2002 | Detecting land use/cover change in Yen Chau district Son la Province by using remote sensing and GIS | Vietnam Soil Science No 17 | 2525-2216 | | |
| 5 | Text book, lecture notes (published) | | | | | | |
| 5.1 | Le Thi Giang, Tran Quoc Vinh, Pham Quy Gian, Doan Thanh Thuy | 2021 | Geographic Information System Agricultural institute Publishing House | Agricultural institute Publishing House | | | |
| 5.2 | Le Thi Giang, Tran Quoc Vinh, Nguyen Dinh Cong | 2017 | Land database | Agricultural institute Publishing House | | | |
| 5.3 | Le Thi Giang, Doan Thanh Thuy | 2015 | Practice in Geographic Information System | Agricultural institute Publishing House | | | |
| | Nguyen Hai Thanh, Tran Quoc Vinh, Le Thi Giang and ect | 2005 | Applied information in agriculture | Agricultural institute Publishing House | | | |
| 6 | Others (Monographs, patents, scientific awards,..) | | | | | | |
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